



Joint IP Modem (JIPM) Brief for DISA 2012 Users Conference

JIPM V-1 (1st Generation)

Mission Statement

Leverage commercial technology and open-standards to provide a common platform IP modem that ensures efficient use of bandwidth and secure transmission of Everything Over Internet Protocol (EOIP) via DoD-Leased and DoD-Owned transponded satellite communication systems in support of the Warfighter

- Increased bandwidth efficiency
 - TDM/TDMA
 - Multicast
 - Reduction in number of simulcasts of similar but not interoperable waveforms
 - Disadvantaged terminal mitigation techniques (e.g., ACM)
- Increased Security
 - DIACAP
 - TRANSEC, FIPS 140-2 Level 2
- Reduced costs to DoD
 - Lower O&M
 - Reduction in COMSATCOM leases
 - Single POC for IP Modem Technology Roadmap
 - Increased competition of DoD-compliant IP modems

DoD Gateway	NCC Installed	Post MS C – Fielding Plan	
		DoD Gateway	Planned Install
Kilgore, Depot	N/A – Spare		
MD (1)	Mar 2011	Kuwait/S (1)	Aug 2012
VA/ T (1)	Aug 2011	MD/S (1)	Sep2012
HA/T (2)	Oct 2011	CA/T (2)	Oct 2012
Germany/ T (2)	Nov 2011	Japan/T (2)	Nov 2012
GA/S (2)	Feb 2012	Germany/T (2)	Dec 2012
UK/S (1)	Mar 2012	MD/S (1)	Jan 2013
MD/S (1)	Apr 2012	NC/S (1)	Feb 2013
Bahrain/T (1)	Jun 2012	FL/S (1)	Mar 2013
Italy/S (1)	Jul 2012	Italy/T (2)	Apr 2013
Remote Modems Deployed		Guam/T (2)	May 2013
Units Shipped a/o Feb 2012 :1097		Qatar/S (1)	Jun 2013
T = Teleport Site, S=STEP Site, () = number of NCCs installed or planned		Post MS C - Remote Modems Deployed	
		Unit of Remote Modems to deploy: 2,255 est.	

NSA-Approved
TRANSEC

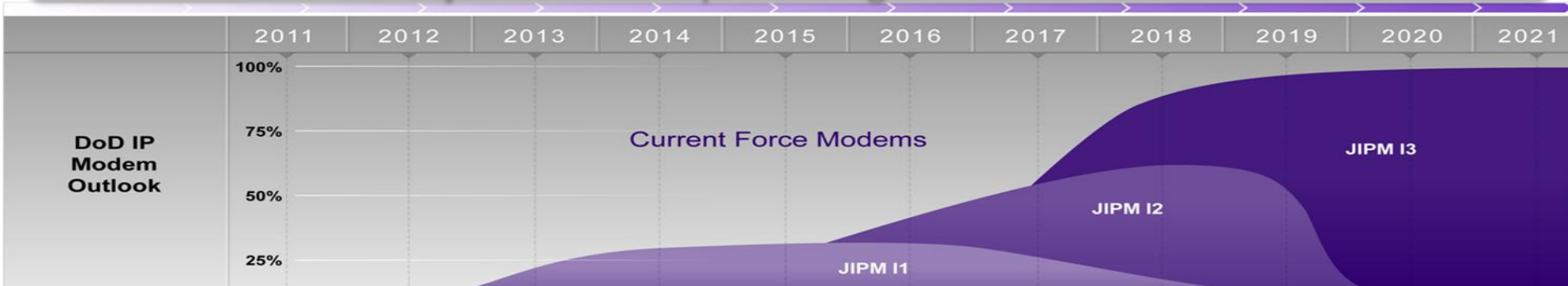
Efficient Use of
Bandwidth
Resources

Cost Savings

Interoperability
and Open
Standards

JIPM Evolutionary Approach

Evolve the Next Generation of IP modems to
Expand the Enterprise using IP over SATCOM



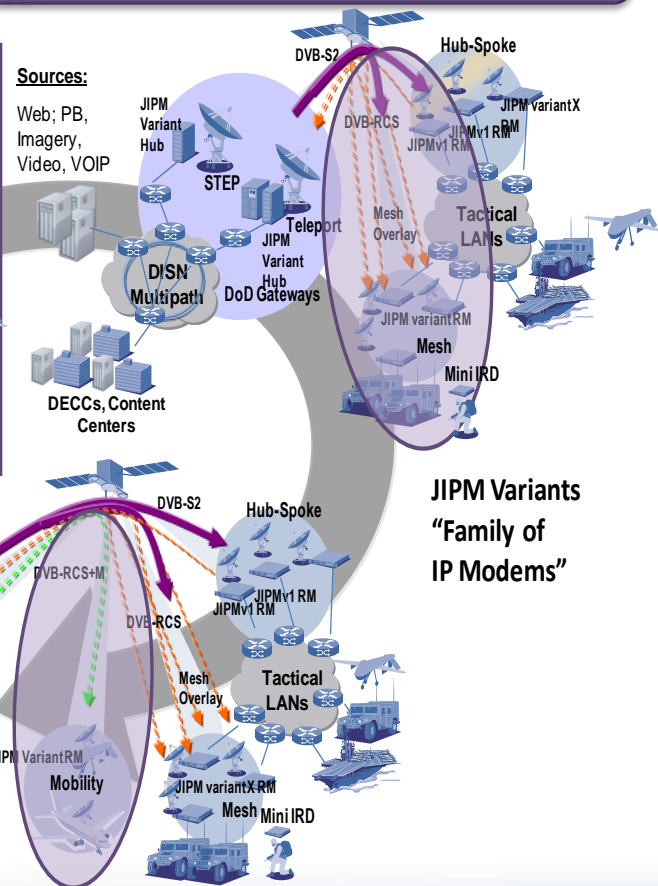
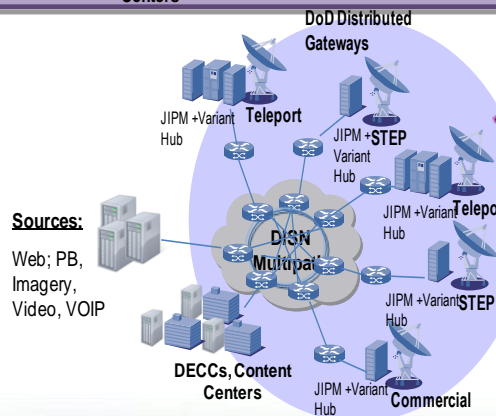
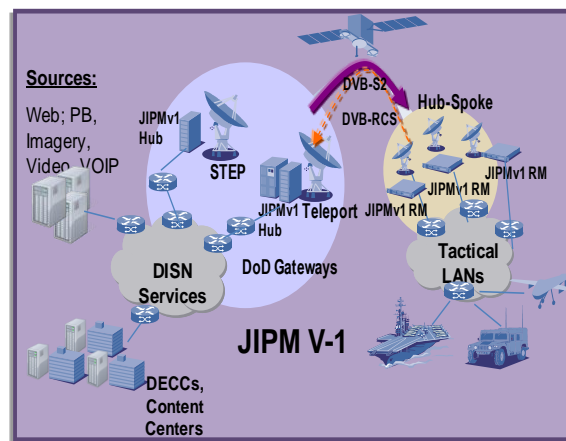
- Pursuing acceptance of JIPM Standard as second edition of NATO STANAG 4622 and socializing JIPM Standard with commercial standards bodies
- Seamless, dynamic, and autonomous GIG transport supporting Everything Over IP (EOIP)
 - Indistinguishable from terrestrial network to end user
 - Integration w/ DECC, JMOS, and ISOM for effective Net-Centric IP Transport and seamless network management
 - Capabilities including dynamic routing, full multicast support, and MPLS
- JIPM as an open standard
 - Leveraging/influencing COTS technology
 - Multiple vendor sources
 - Multiple hardware variations, form/fit/function
- Enterprise IP Modems for DoD
 - Improved interoperability
 - Minimize configuration management

E Pluribus Unum...Out of Many, One

JIPM Next Generation

“V-2” is the Next Generation JIPM to Meet the DoD Operational Requirements.

- Current Timeline
 - Modification to JIPM V-1 performance specs
 - RFI to be released May 2012
 - RFP 4Q FY2013
- Inputs to V-2 Requirements
 - Start with JIPM V-1 as Baseline
 - User Test Event Enhancements
 - Previously submitted enhancements to V-1
 - Requirement Request Form (RRF) responses from MILSATCOM User community
 - Government Standards
 - Industry Capabilities/Open Standards



Points of Contact

POC	Subject Area	Telephone	E-mail
Chris Catlin (Program Mgr)	Programmatic	301.225.2323	Christopher.Catlin@disa.mil
Joyce Willingham-Franklin	Acquisition	301.225.2330	Joyce.Willingham-Franklin@disa.mil
Wayne Adams	Lifecycle Management	301.225.2340	Wayne.Adams@disa.mil
Dana DeFrancesco	System Engineering	301.225.2092	Dana.DeFrancesco@disa.mil
Josh Friedman	System Engineering	703.575.7582	Friedman_Joshua@bah.com
Andrew Melchior	Testing	240.394.9243	Melchior_Andrew@bah.com
Johnny Ng (PM DCATS)	Acquisition Ordering	732.578.1250 ext. 231	jng@aaski.com

QUESTIONS

